FORM PTO-1390 REV. 5-93 **TRANSMITTAL LETTER TO THE UNITED STATES** **DESIGNATED/ELECTED OFFICE (DO/EO/US)** **CONCERNING A FILING UNDER 35 U.S.C. 371**	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEYS DOCKET NUMBER P00,0103
		U.S.APPLICATION NO. (if known, see 37 CFR 1.5) 09/463271

INTERNATIONAL APPLICATION NO. PCT/DE98/01254	INTERNATIONAL FILING DATE 05 May 1998	PRIORITY DATE CLAIMED 23 July 1997

TITLE OF INVENTION
"METHOD FOR STORING SEARCH FEATURES OF AN IMAGE SEQUENCE" (as amended)

APPLICANT(S) FOR DO/EO/US

Andre Kaup

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ■ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. □ This is a **SECOND** or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
3. ■ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay.
4. ■ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.

5. ■ A copy of International Application as filed (35 U.S.C. 371(c)(2))
    a. ■ is transmitted herewith (required only if not transmitted by the International Bureau).
    b. □ has been transmitted by the International Bureau.
    c. □ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ■ A translation of the International Application into English (35 U.S.C. 371(c)(2).

7. ■ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
    a. □ are transmitted herewith (required only if not transmitted by the International Bureau).
    b. □ have been transmitted by the International Bureau.
    c. □ have not been made; however, the time limit for making such amendments has NOT expired.
    d. ■ have not been made and will not be made.

8. □ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ■ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). Executed

10.□ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:
11. □ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; (PTO 1449, Prior Art, Search Report).

12. ■ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. (See attached envelope)

13. ■ A FIRST preliminary amendment.
    □ A SECOND or SUBSEQUENT preliminary amendment.

14. □ A substitute specification.

15. □ A change of power of attorney and/or address letter.

16. ■ Other items or information:
    a. Request for Approval of Drawing Changes (3 sheets) (Figs. 1, 2 and 3)
    b. Submission of Drawings (3 sheets) (Figs. 1, 2a-d and 3)
    c EXPRESS MAIL NO.: EL428567636US dated Jan. 24, 2000.

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/463271	INTERNATIONAL APPLICATION NO. PCT/DE98/01254	ATTORNEY'S DOCKET NUMBER P00,0103

17. ■ The following fees are submitted:	CALCULATIONS	PTO USE ONLY

BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):

Search Report has been prepared by the EPO or JPO $840.00

International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) .. $670.00

No international preliminary examination fee (37 C.F.R. 1.482) but international search fee paid to USPTO (37 C.F.R. 1.445(a)(2) $760.00

Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2) paid to USPTO $970.00

International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .... $ 96.00

ENTER APPROPRIATE BASIC FEE AMOUNT =	$840.00	
Surcharge of $130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).	$	

Claims	Number Filed		Number Extra	Rate		
Total Claims	10	- 20 =	0	X $ 18.00	$	
Independent Claims	1	- 3 =	0	X $ 78.00	$	
Multiple Dependent Claims				$260.00 +	$	

TOTAL OF ABOVE CALCULATIONS =	$840.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)	$	
SUBTOTAL =	$	
Processing fee of $130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +	$	
TOTAL NATIONAL FEE =	$840.00	
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). $40.00 per property +	$	
TOTAL FEES ENCLOSED =	$840.00	
	Amount to be refunded	$
	charged	$

a. ■   A check in the amount of $ 840.00 to cover the above fees is enclosed.

b. ☐   Please charge my Deposit Account No. _____ in the amount of $ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ■   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-2290. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Hill & Simpson
A Professional Corporation
85th Floor Sears Tower
Chicago, Illinois 60606

Steven H. Noll
SIGNATURE

Steven H. Noll
NAME

28,982
Registration Number

09/463271

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail" Mailing Label Number: EL 428567636US

Date of Deposit: January 24, 2000

      I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to

                    BOX PCT
           Assistant Commissioner for Patents
           Washington, D.C. 20231

Case Number: P00,0103
Applicant: Andre Kaup

International Application No.   PCT/DE98/01254
International Filing Date   05 May 1998
Priority Date Claimed   23 July 1997

Title: "METHOD FOR STORING SEARCH FEATURES OF AN IMAGE SENSOR"
        (title as amended)
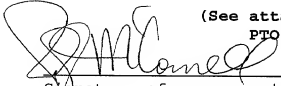
Enclosed are the following documents:

International Application as filed, drawings attached;
English translation, drawings attached;

Executed Declaration;
PTO 1390 in duplicate;
Preliminary Amendment "A";
Submission of Drawings, 3 sheets (FIGS.1, 2a-d and 3:
Request for Approval of Drawing Changes. (3 sheets)Figs 1, 2 & 3)

Fee: $840.00
Postcard.

               (See attached envelope for Executed Assignment
                  PTO 1595; $40.00 filing fee; Postcard)

Signature of person mailing documents and fees

-1-

BOX PCT

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER THE PATENT COOPERATION TREATY-CHAPTER II

5   **PRELIMINARY AMENDMENT "A"**

APPLICANT(S):	Andre Kaup
ATTORNEY DOCKET NO.:	P00,0103
INTERNATIONAL APPLICATION NO.:	PCT/DE98/01254
INTERNATIONAL FILING DATE:	05 May 1998

10   INVENTION: "METHOD FOR STORING SEARCH FEATURES OF
                     AN IMAGE SEQUENCE"

Assistant Commissioner for Patents

      Washington, D.C. 20231

Sir:

15   Applicants herewith amend the above-referenced PCT application,
and request entry of the Amendment prior to examination on the United
States National Examination Phase.

IN THE SPECIFICATION:

      On page 1, cancel the title above line 4, and insert the following
20   text and amended title above line 4:

                          --TITLE

      **METHOD FOR STORING SEARCH FEATURES OF AN IMAGE
                          SEQUENCE**

              BACKGROUND OF THE INVENTION--;

25   in line 4, after "The" insert --present--;

      in line 14, cancel "image sequence" substitute --image sequence--
            therefor;

      in line 15, cancel "image scene" substitute --image scene-- therefor;

      in line 16, cancel "intraimage" substitute --intra-image-- therefor,

30   and cancel ", respectively";

below line 16, insert a centered heading:

--**SUMMARY OF THE INVENTION**--;

in line 18, cancel "The object of the invention is to set forth"

      substitute --It is an object of the present invention to provide-

        - therefor;

cancel line 22, substitute the following at line 22:

--This object is achieved in accordance with the present invention in

      a method for storing search features of an image sequence,

      the method comprising the steps of: determining the search

      features from the image sequence; and storing the features

      together with the image sequence.--;

in line 24, after "The" insert --present--.

On page 2, in line 1, cancel "A development of the invention

      consists in" substitute --In an embodiment,-- therefor, and

      cancel "being" substitute --are-- therefor;

in line 4, cancel "Another development consists in the ability to

      access" substitute --In an embodiment,-- therefor;

in line 5, after "sequence" insert --can be accessed--;

in line 13, cancel "In a further development" substitute --In an

      embodiment-- therefor;

in line 15, cancel "intraimage" substitute --intra-image-- therefor;

in line 17, cancel "intraimage" substitute --intra-image-- therefor;

in line 20, cancel "Another development consists in storing"

      substitute --In an embodiment,-- therefor, and after "scene"

      insert --is stored--, and after "database" insert a comma;

in line 21, cancel "and";

in line 23, cancel "An additional development consists in storing"

      substitute --In an embodiment,-- therefor, and after "features"

      insert --are stored--;

in line 25, cancel ", respectively";

cancel line 28, substitute the following at line 28:

--In an embodiment, the search features are unambiguously
identified using--.

On page 3, cancel lines 8-19, substitute the following at line 8:

-- These and other features of the invention(s) will become clearer
with reference to the following detailed description of the presently
preferred embodiments and accompanied drawings.

DESCRIPTION OF THE DRAWINGS

Figure 1 is a block diagram illustrating a method for storing search
features of an image sequence and illustrating an accessing of the image
sequence with the aid of the search features in accordance with the
present invention.

Figure 2 is a block diagram showing various possibilities for the
common storing of search features with the image sequence.

Figure 3 is a block diagram illustrating the search features and
pertaining references that reference the image data.

DETAILED DESCRIPTION OF THE PRESENTLY PREFERRED
EMBODIMENTS--.

On page 4, in line 1, cancel "was found [sic]" substitute --is found--
therefor.

On page 5, in line 6, cancel "that is possible", and cancel ",
respectively";

in line 7, after "M32" insert --are supplemented--, and cancel "02
are" substitute --02.-- therefor;

in line 8, cancel "supplemented. [sic]", and cancel "contain"
substitute --contains-- therefor;

in line 12, after "features" insert a comma;

in line 14, after "02" insert a comma;

in line 27, cancel "[sic]".

On page 6, below line 2, insert the following paragraph:

-- Although modifications and changes may be suggested by those of ordinary skill in the art, it is the intention of the inventors to embody within the patent warranted hereon all changes and modifications as reasonably and properly come within the scope of their contribution to the art.--.

IN THE CLAIMS:

On page 7, in line 1, cancel "Patent Claims" substitute --**I CLAIM AS MY INVENTION:**-- therefor.

Please cancel claims 1-10 and substitute the following claims 11-20 therefor:

11.   A method for storing search features of an image sequence, said method comprising the steps of:

determining said search features from said image sequence; and

storing said features together with said image sequence.

12.   The method as claimed in claim 11, wherein said search features are at least one of audio data and video data of said image sequence.

13.   The method as claimed in claim 11, wherein said search features comprise a reference to an image within said image sequence for assisting in accessing said image within said image sequence.

14.   The method as claimed in claim 11, wherein said search features are stored as a prefix to said image sequence.

15.   The method as claimed in claim 11, wherein said search features are stored appended to said image sequence.

16.   The method as claimed in claim 11, wherein said search features are stored in said image sequence.

17.   The method as claimed in claim 16, wherein search features for an image scene of said image sequence, said image scene being initiated by an intra-image defined according to the MPEG standard, are stored as a prefix to said intra-image.

18.   The method as claimed in claim 17, wherein each image scene of said image sequence is stored in a database.

19.   The method as claimed in claim 11, wherein separate search features for several object that are contained in said image sequence according to image coding standards are respectively stored together with said image sequence.

20.   The method as claimed in claim 11, wherein said search features can be unambiguously identified by a predeterminable start code.

IN THE ABSTRACT:

On page 9, cancel lines 1-3, insert the following centered heading at line 1:

--**ABSTRACT OF THE DISCLOSURE**--;

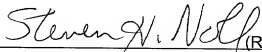5   in line 8, cancel "[...]", and after "or" insert --stored--;

cancel line 12.

REMARKS:

The present Amendment revises the specification, drawings and claims to conform to United States patent practice, before examination of

10   the present PCT application in the United States National Examination Phase. All of the changes are editorial and no new matter is added thereby. The cancellation of claims 1-10, in favor of new claims 11-20, has been made solely for convenience, since the amount of bracketing and underlining necessary to editorially amend claims 1-10 in order to

15   conform to United States patent practice would have been excessive and burdensome. The cancellation of claims 1-10 is therefore not intended to be a surrender of any of the subject matter of those claims.

Early examination on the merits is respectfully requested.

Respectfully submitted,

20   _____ Steven H. Noll (Reg. No. 28,982)

Steven H. Noll
Hill & Simpson
A Professional Corporation
85th Floor - Sears Tower
25   Chicago, Illinois 60606
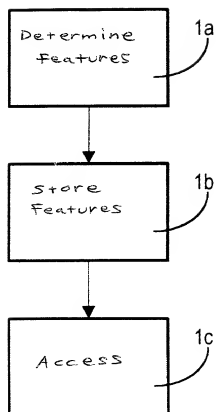(312) 876-0200 ext. 3899
Attorneys for Applicant(s)

BOX PCT

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER THE PATENT COOPERATION TREATY-CHAPTER II

REQUEST FOR APPROVAL OF DRAWING CHANGES

APPLICANT(S):	Andre Kaup
ATTORNEY DOCKET NO.:	P00,0103
INTERNATIONAL APPLICATION NO.:	PCT/DE98/01254
INTERNATIONAL FILING DATE:	05 May 1998
INVENTION:	"METHOD FOR STORING SEARCH FEATURES OF AN IMAGE SEQUENCE"

Assistant Commissioner for Patents

Washington, D.C. 20231

S I R:

Applicant herewith requests approval of the drawing changes in FIGs. 1, 2 and 3 as shown on the drawing copies marked in red attached hereto.

Submitted by,

Steven H. Noll (Reg. 28,982)

Steven H. Noll
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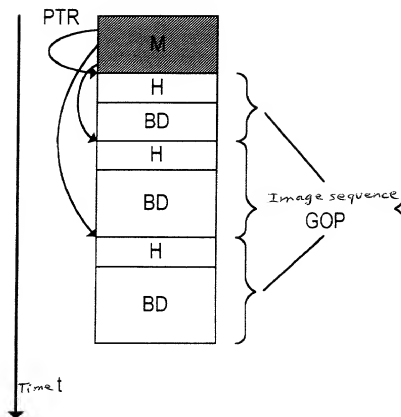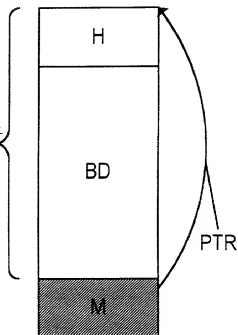Attorneys for Applicant(s)

FIG 1

FIG 2

FIG 2a

PTR

M

H

BD

H

BD

H

BD

Image sequence
GOP

Time t

FIG 2b

H

BD

M

PTR

FIG 2c

H

BD

M

H

BD

PTR

Image sequence
GOP

Time t

FIG 2d

M1

M2

M31 | M32

H

O1 | O2

H

BD

M

PTR   PTR
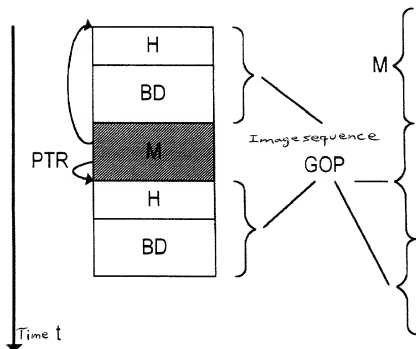
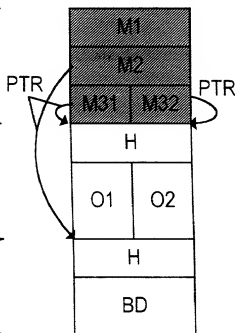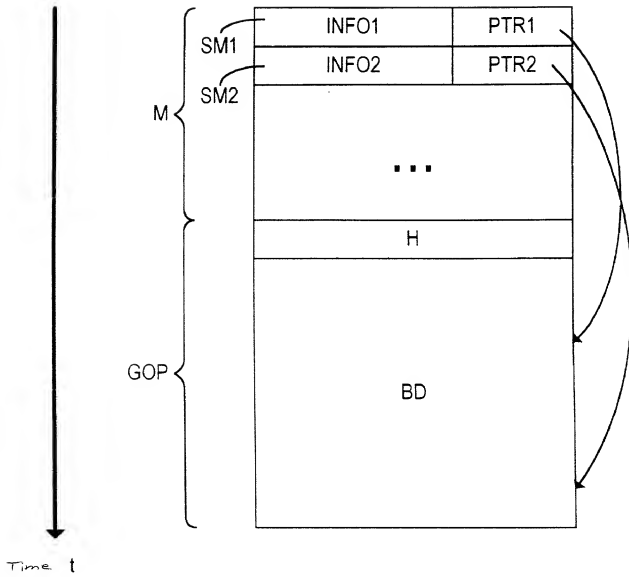# FIG 3

METHOD FOR STORING SEARCH FEATURES OF AN IMAGE SEQUENCE

The invention relates to a method for storing search features of an image sequence and
5   to an accessing of the image sequence with the aid of the search features.

Today, audiovisual information (image sequences) of all kinds is stored in digitized
form at various locations. In order to use this audiovisual information, it is necessary
to find the relevant data first.

10   The MPEG standards of image compression have long been known to the person
skilled in the art.

First, to define specific terms used herein: An _image sequence_ designates a series of
15   related images. An _image scene_ is a real subset of an image sequence and is initiated
by an intraimage that is defined in MPEG or ITU, respectively.

The _object_ of the invention is to set forth a method for storing search features of an
image sequence/image scene and to make it possible to access this image
20   sequence/image scene via these search features.

This object is achieved according to the features of patent claim 1.

The method makes it possible to store search features of an image sequence and to
25   access the image sequence with the aid of the search features, said search features
being determined from the image sequence. The search features are stored together
with the image sequence. The image sequence is accessed in the event that a
predetermined item of information is contained in the search features.

A development of the invention consists in the search features being audio data and/or video data of the image sequence.

Another development consists in the ability to access an image within the image sequence with the aid of the search features, which in turn contain a reference (a pointer) on their part.

The access can be accomplished in that the reference is offset in time within the image sequence and thereby references the image. Access to the image is thus guaranteed. The reference addresses the image and with this a beginning within the image sequence.

In a further development, it is possible to prefix search features to the image sequence, to append them to one end of the image sequence, or to store them within the image sequence. This is preferably accomplished with the aid of an intraimage that is defined in MPEG or ITU, which initiates an image scene and to which the search features can be prefixed. Several image scenes with a respective intraimage can be contained within the image sequence.

Another development consists in storing each individual image scene in a database and thus guaranteeing access to the image scene.

An additional development consists in storing separate search features in the image sequence for individual objects that are defined according to the MPEG or ITU standard, respectively. It is possible in this way to offer entry points that are related to such objects and linked to the search features.

Another development consists in unambiguously identifying the search features using a predetermined start code (header).

Since the search features are stored together with the image sequence, a comprehensive image database can be compiled from individual image sequences such as this. On the other hand, a global, preferably external, reference list containing the search features and corresponding references to the image sequence complicates a

5   modular construction of the image sequence (above all when this consists of several image sequences that are to be exported to other databases individually).

Further developments of the invention also derive from the dependent claims.

10   Exemplifying embodiments of the invention are detailed with the aid of the Figures.

Shown are:

Figure 1   a block diagram illustrating a method for storing search features of an image sequence and illustrating an accessing of the image sequence with

15   the aid of the search features,

Figure 2   various possibilities for the common storing of search features with the image sequence,

Figure 3   a sketch illustrating the search features and appertaining references that dereference [sic] the image data.

20

In step 1a of Figure 1, search features are determined from the image sequence. To this end, images are sought that correspond to a given pattern image completely or in parts. This is achieved in that the pattern image is first analyzed with respect to predetermined features, particularly the predominant color or typical shapes that

25   occur. These features are stored in a database and referenced with a pointer indicating the image material that is to be referenced; that is, the found pattern image within the image sequence. The search features are stored together with the image sequence in a step 1b. Finally, it becomes possible to access the image sequence with the aid of the search features in a step 1c in that a predeterminable feature is compared to the search

features, and, if agreement was found [sic], the procedure skips to the image sequence within the image sequence referenced by the search features.

It should be noted that it is not only possible to reference video data, exclusively, but that pointers indicating audio data can also be stored just as well.

In Figure 2 various possibilities for storing search features together with the image sequence are illustrated.

Figure 2a depicts an image sequence GOP (Group of Pictures, as defined in MPEG standards), containing a header H and image information BE. A time axis t running vertically from the top down applies to all Figures 2a to 2b. This indicates that the time characteristic is a time characteristic of an image series that is stored as an image sequence.

In Figure 2a search features M are prefixed to the image sequence GOP. The search features M are preferably stored in a form that can be read easily as a list in plaintext (ASCII code). Long lists of search features can also be stored compressed. A pointer PTR indicating an image in the image sequence is connected to each individual search feature, whereby this image indicates the beginning of an image series within the image sequence, which series is linked to the search feature.

In Figures 2a to 2d such references (pointers) are represented as arrows PTR.

In Figure 2b, the search features M are affixed behind the image sequence GOP. Otherwise the same applies here as in Figure 2a.

As illustrated in Figure 2c, the search features M can be stored within an image sequence GOP. Accordingly, references PTR that are linked to the search features M

must refer to image information before the search features M (above the search features M in Figure 2c) or to image information after the search features M (below the search features in Figure 2c) in terms of time.

Finally, Figure 2d depicts the coding of individual objects (audio objects and/or video objects) that is possible according to the MPEG or ITU standards, respectively. For this purpose, separate search feature sets M31 and M32 to each object 01 and 02 are supplemented. **[sic]** An audiovisual scene can contain several sets of search features M1, M2, M31 and M32.

In Figure 2d the search feature sets M1 and M2 relate to image data BD generally, whereas the search feature sets M31 and M32 respectively contain search features whose entries (references) within the image series which are divided according to objects 01 and 02 refer to corresponding locations that are to be referenced.

Figure 3 depicts an organization of a list of search features and their relation to the image data BD. The vertical course of a time axis t from the top down again applies. The search features M in the form of a list are prefixed to the image sequence GOP containing the header H and the image data BD. The list contains several search features SM1 and SM2. Each search feature respectively comprises a descriptive component INFO1 and INFO2 and a respective reference (pointer) PTR1 and PTR2 indicating an image within the image data BD.

As described above, for an image sequence that is compressed according to the MPEG standard, the list can be logically subdivided so that specific search features S_{mi} result with respect to predeterminable objects within the image sequence that is compressed according to the MPEG standard. [sic] To differentiate two objects, every second search feature SM_{2i} is allocated to a first object, and the other search feature $SM_{(2i+1)}$ is

allocated to a second object (i=0,1,2,3,..). Accordingly, different search feature sets can be created for several objects within the same image sequence.

Patent Claims

1. Method for storing search features of an image sequence,

a) in which the search features are determined from the image sequence,

5   b) in which the search features are stored together with the image sequence,

2. Method as claimed in claim 1,

in which the search features are audio data and/or video data of the image sequence.

10   3. Method as claimed in claim 1 or 2,

in which, for a purposeful access within the image sequence, the search features

contain a reference to an image within the image sequence.

4. Method as claimed in one of the claims 1 to 3,

15   in which the search features are prefixed to the image sequence.

5. Method as claimed in one of the claims 1 to 3,

in which the search features are appended to the image sequence.

20   6. Method as claimed in one of the claims 1 to 3,

in which the search features are stored in the image sequence.

7. Method as claimed in claim 6,

in which the search features for an image scene that is initiated by an intraimage that

25   is defined according to the MPEG standard are prefixed to the intraimage.

8. Method as claimed in claim 7,

in which every image scene is stored in a database.

9. Method as claimed in one of the preceding claims,

in which, for several objects that are contained in the image sequence according to image coding standards, separate search features for the several objects are respectively stored with the image sequence.

5

10. Method as claimed in one of the preceding claims,

in which the search features can be unambiguously identified by a predeterminable start code (HEADER).

10

Abstract

Method for storing search features of an image sequence

5   For access to an image sequence comprising individual search features, these search features are correspondingly stored in the image sequence. To this end, a list of search features, which are preferably in plaintext, is prefixed to the image sequence, [...] stored behind the image sequence or in the image sequence. Besides an information entry, each search feature comprises a reference to an image within the

10 image sequence. Access is guaranteed via the individual search features.

Figure 1

FIG 1
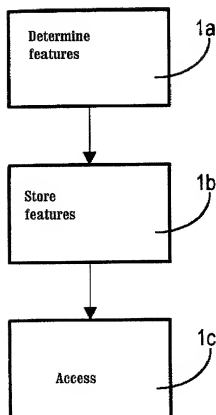
FIG 2

FIG 2a
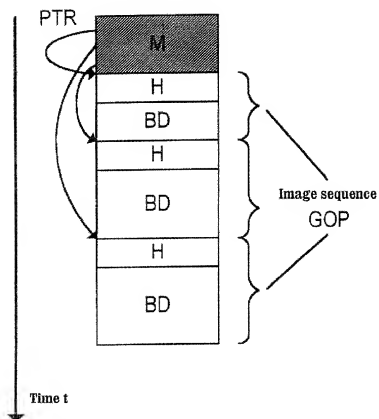
FIG 2b

FIG 2c

FIG 2d

3/3

FIG 3

SM1 — INFO1 | PTR1

SM2 — INFO2 | PTR2

M

. . .

H

GOP

BD
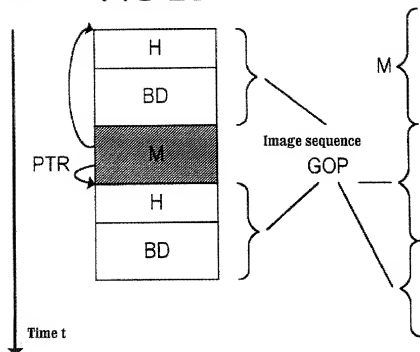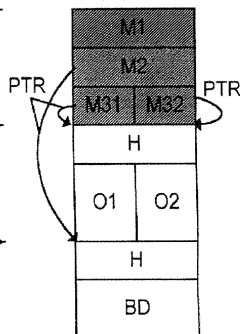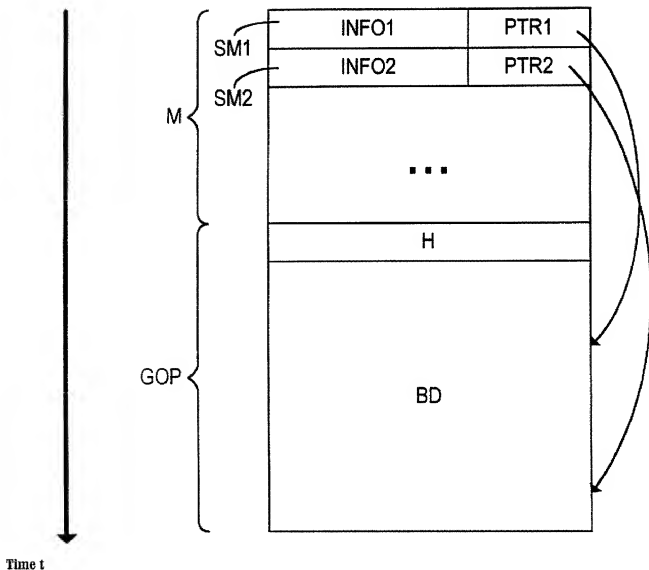
Time t
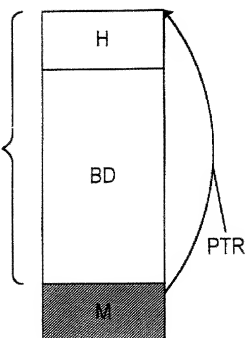
Declaration and Power of Attorney For Patent Application
Erklärung Für Patentanmeldungen Mit Vollmacht
German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen,

dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:

Verfahren zum Abspeichern von
Suchmerkmalen einer Bildsequenz

deren Beschreibung

(zutreffendes ankreuzen)

[X] hier beigefügt ist.

[ ] am _____ als
PCT internationale Anmeldung
PCT Anmeldungsnummer _____
eingereicht wurde und am _____
abgeändert wurde (falls tatsächlich abgeändert).

Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung einschliesslich der Ansprüche durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeändert wurde.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher Informationen, die für die Prüfung der vorliegenden Anmeldung in Einklang mit Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde nachstehend gekennzeichnet, die ein Anmeldedatum haben, das vor dem Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

_____

_____

_____

the specification of which

(check one)

[ ] is attached hereto.

[ ] was filed on _____ as
PCT international application
PCT Application No _____
and was amended on _____
                              (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Patent and Trademark Office-U.S. DEPARTMENT OF COMMERCE

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Priority Claimed

197 31 719.7	Germany	23. Juli 1997	☒ Yes Ja	☐ No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Year Filed) (Tag Monat Jahr eingereicht)		

			☐ Yes Ja	☐ No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Year Filed) (Tag Monat Jahr eingereicht)		

			☐ Yes Ja	☐ No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Year Filed) (Tag Monat Jahr eingereicht)		

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozeßordnung der Vereinigten Staaten, Paragraph 122 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35. United States Code. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §122, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occured between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.) (Anmeldeseriennummer)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgegeben)	(Status) (patented, pending, abandoned)

(Application Serial No.) (Anmeldeseriennummer)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgeben)	(Status) (patented, pending, abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden koennen, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Voller Name des zweiten Miterfinders (falls zutreffend):	Full name of second joint inventor, if any:
Unterschrift des Erfinders — Datum	Second Inventor's signature — Date
Wohnsitz	Residence
Staatsangehörigkeit	Citizenship
Postanschrift	Post Office Address

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).	*(Supply similar information and signature for third and subsequent joint inventors).*

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